BABAYEV, Nikolay Alekseyevich; GAYEVSKIY, Oleg Konstantinovich;
   IVANNIKOV, Dmitriy Andreyevich; KUDRYAVTSEV, Sergay Ste-
   panovich; MIKIRTUMOV, Emmanuil Bogdanovich; KHUKHRA, Yu.;
   YEFREMOVA, Ye.V., red.; KARYAKINA, M.S., tekhn. red.

[Airplane modeling; manual for makers of airplane models and
instructors of circles for the first and second training year]
Aviatsionnyi modelizm; uchebnoe posovie dlia aviamodelistov i
rukovoditelei kruzhkov pervogo i vtorogo godov obucheniia.
Izd. 2., perer. i dop. Pod obshchei red. E.B.Mikirtumova.
Moskva, Izd-vo DOSAAF, 1960. 286 p.   (MIRA 14:5)
                   (Airplanes—Models)

STEPANOV, Ye.N., polkovnik, Geroy Sovetskogo Soyuza; KUDRYAVTSEV, S.S., mayor, sud'ya respublikanskoy kategorii

Striving for new flying records. Vest.Vozd.Fl. no.9:78-81 S'60.

1. Vitse-prezident Mezhdunarodnoy aviatsionnoy federatsii (for Stepanov).
(Aeronautics)

KUDRYAVTSEV, S. S.

Kudryavtsev, S. S. "Development of norms and ratios for geese," Trudy Naucn.-
issled. in-ta ptitsevodstva, Vol. XIX, 1948, p. 66-74 - Bibliog: 6 items

SO: U-2888, Letopis Zhurnal'nykh Statey, No. 1, 1949

KUDRYAVTSEV, S. S.

Kudryavtsev, S. S. "Development of methods of feeding Rhode Island hens on the basis of follow-up on collective farming experiments and laboratory research," Trudy Nauch.-issled. in-ta ptitsevodstva, Vol. XIX, 1948, p. 78-98 - Bibliog: 7 items

SO: U-2888, Letopis Zhurnal'nykh State, No. 1, 1949

KUDRYAVTSEV, S. S.

Kudryavtsev, S. S. "Effect of protein and vitamin B_2 on the productiveness and incubation qualities of eggs from hens of the Rhode Island breed," Trudy Nauch.-issled. in-ta ptitsevodstva, Vol. XIX, 1948, p. 99-122 - Bioliog: 8 items

SO: U-3888, Letopis Zhurnal'nykh Statey, No. 1, 1949

KUDRYAVTSEV, S.S.

"Calcium and Phosphorous as Factors in the Productivity and Hatching Ability of Poultry." Thesis for degree of Cand. Agricultural Sci. Sub. 15 Jul 49, Sci. Res Inst. of Aviculture, Ministry of Agriculture RSFSR.

Summary 82, 18 Dec. 52 Dissertations Presented for Degrees in Science and Engineering in Moscow is 1949. From Vechernyaya Moska Jan-Dec. 1949

1.   KUDRYAVTSEV, S. S.

2.   USSR 600

4.   Poultry - Feeding and Feeding Stuffs

7.   Feeding domestic fowl during the breeding period, Ptitsevodstvo, No. 1, 1953.

9.   Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

1. KUDRYAVTSEV, 3. S.

2. USSR (600)

4. Poultry - Feeding and Feeding Stuffs

7. Problem of establishing protein standrads for poultry, Ptitsevodstvo No. 2,
    1953.

9. <u>Monthly</u> <u>List</u> <u>of</u> <u>Russian</u> <u>Accessions</u>, Library of Congress, _____May_____ 1953. Unclassified.

KUDRYAVTSEV, T., kand. pedagog. nauk

Creating problem situation as a means of stimulating the students.
Prof.-tekh. obr. 22 no.7:17-18 Jl '65.   (MIRA 18:8)

1. Institut psikhologii Akademii pedagogicheskikh nauk RSFSR.

KUDRYAVTSEV, T.A.; CHIRKOV, N.M.

Kinetics of the chlorine exchange reaction in isomeric -chloro-
crotonic acids. Part 2: Chlorine exchange reaction with alkali in
alcohol solutions [with summary in English]. Zhur.fiz.khim. 33
no.2:255-261 F '59.   (MIRA 12:4)

1. AN SSSR Institut khimicheskoy fiziki, Moskva.
            (Crotonic acid)   (Chlorine)

15(2)

AUTHORS: Tikhonov, V. A., Kudryavtsev, T. N.   SOV/156-59-2-45/48

TITLE: Iron-Slate-Cement (Zhelezisto-slantsevyy tsement)

PERIODICAL: Nauchnyye doklady vysshey shkoly. Khimiya i khimicheskaya
               tekhnologiya, 1959, Nr 2, pp 394-397 (USSR)

ABSTRACT: A new binding material, the iron-clay-cement, which surpasses
               the Portland-cement with regard to strength, frost resistance
               and other technical characteristics, has been developed at the
               Chair mentioned under Association. The disadvantage in the
               production of this iron-clay-cement lies in the fact that the
               clay component must be burned at 800 degrees. The present
               article reports on a binding material, which predominantly
               consists of a material that does not require burning. Menilite-
               slate from Vyzhnitsa was used for the experiments. The mixture
               of the cement raw-material consisted of limestone, pyrite
               cinders and menilite-slate. The analysis data of the raw-
               materials are shown in table 1. Based on the experiments, the
               proportion limestone : slate was chosen as 1 : 3. The stress-
               values when adding 0 - 20% pyrite cinders, are shown in table 2.
Card 1/2   The compressive strength increases from 220 kg/cm^2

Iron-Slate-Cement   SOV/156-59-2-45/48

         (at 0% cinders) to 452 kg/cm^2 (at 15% cinders). In table 3,
the stress-values of samples which were left setting for 28
days at room-temperature, are compared with those which were
hardened with steam of 4 kg/cm^2. When hardening with steam,
aluminum-iron-hydrogranates and zeolithes as well as fibrous
calciumsilicate are formed. The tensile strength and the
bending strength is 1.5 - 2 times higher as in the case of
Portland-cement. There are 4 tables and 7 Soviet references.

PRESENTED BY: Kafedra tekhnologii silikatov L'vovskogo politekhnicheskogo
instituta (Chair for Technology of Silicates L'vov Polytechnic
Institute)

SUBMITTED: November 14, 1958

Card 2/2

TIKHONOV, V.A., prof.; GALABUTSKAYA, Ye.A.; POLUEKTOVA, Ye.F.;
    KUDRYAVTSEV, T.N.; SUVOROVA, O.F.; TOROPOV, N.A., red.;
    KVITKO, I.S., red.

    [Laboratory manual on the chemistry of silicon and the physical
    chemistry of silicates] Praktikum po khimii kremniia i fizicheskoi
    khimii silikatov. L'vov, Izd-vo L'vovskogo univ., 1965. 291 p.
                                                (MIRA 18:9)
    1. Chlen-korrespondent AN SSSR (for Toropov).

KUDRYAVTSEV, T.V.; YAKIMANSKAYA, I.S.

Problem of the study of technical thinking. Vop. psikhol. no.4:
3-20 Jl-Ag '64.
                                                        (MIRA 17:11)

1. Institut psikhologii Akademii pedagogicheskikh nauk RSFSR,
Moskva.

KUDRYAVTSEV, T. V.

"O tekhnicheskom myshlenii i o sozdanii problemnykh situatsiy v protsesse yego razvitiya."

report submitted for 15th Intl Cong, Intl Assn of Applied Psychology, Ljubljana, Yugoslavia, 2-8 Aug 1964.

Institut psikhologii, Moskva.

KUDRYAVTSEV, T. V.

ZINCHENKO, V.P.; KUDRYAVTSEV, T.V.

New Psychology textbook for secondary schools ["Psychology" by
G.A. Fortunatov, A.V. Petrovskii. Reviewed by V.P. Zinchenko,
T.V. Kudriavtsev]. Vop.psikhol. 3 no.3:159-164 My-Je '57.

(MLRA 10:8)

(Psychology--Study and teaching)

KUDRYAVTSEV, T.V.

Problem of the application of knowledge in practice [with summary in English]. Vop.psikhol. 5 no.1:23-31 Ja-F '59.   (MIRA 12:4)

1. Institut psikhologii APN RSFSR, Moskva.
        (Technical education)   (Transfer of training)

KUDRYAVTSEV, V.

Pension certificate is not an old-age diploma. Okhr. truda i
sots. strakh. no.4:15 Ap '63.   (MIRA 16:4)

(Pensioners--Employment)
(Industrial hygiene)

BRAGIN, N., inzh.; VAZILO, A., inzh.; DZEKTSER, Ye., inzh.; KUDRYAVTSEV, V., inzh.
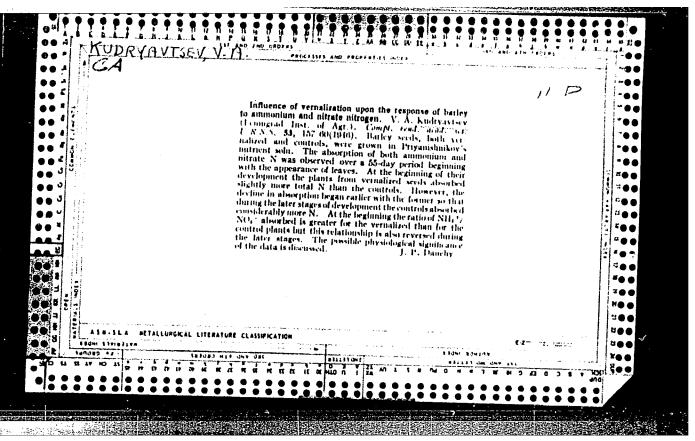
Use of ground water as source of supply for fire extinction in milled peat winning fields. Pozh.delo 9 no.3:14-15 Mr '63.   (MIRA 16:4)

1. Gosudarstvennyy institut po proyektirovaniyu predpriyatiy torfyanoy promyshlennosti.
            (Peat industry—Fires and fire prevention)

KUDRYAVTSEV, V.; TRUSIKHIN, N.

Practice in introducing an hourly-bonus wage system for
workers in experimental production. Biul.nauch.inform.:
trud.i zar.plata 3 no.4:31-38 '60.   (MIRA 13:8)
          (Machinery--Design) (Bonus system)

KUDRYAVTSEV, V. A.

CA

Influence of vernalization upon the response of barley to ammonium and nitrate nitrogen. V. A. Kudryavtsev (Leningrad Inst. of Agr.). *Compt. rend. acad. sci. U.S.S.R.* **55**, 157-60(1940). Barley seeds, both vernalized and controls, were grown in Pryanishnikov's nutrient soln. The absorption of both ammonium and nitrate N was observed over a 55-day period beginning with the appearance of leaves. At the beginning of their development the plants from vernalized seeds absorbed slightly more total N than the controls. However, the decline in absorption began earlier with the former so that during the later stages of development the controls absorbed considerably more N. At the beginning the ratio of NH_4^+/NO_3^- absorbed is greater for the vernalized than for the control plants but this relationship is also reversed during the later stages. The possible physiological significance of the data is discussed.
J. P. Danehy

A S H - S L A   METALLURGICAL LITERATURE CLASSIFICATION

KUDRYAVTSEV, V.A.

Response of barley to the intensity of light following the photo-
phase. Dokl. AN SSSR 60'no.5:913-916 My '48.   (MLRA 10:8)

1. Vologodskiy gosudarstvennyy pedagogicheskiy institut im. V.M.
Molotova. Predstavleno akademikom N.A. Maksimovym.
                    (Barley)   (Photoperiodism)

KUDRYAVTSEV, V. A.

USSR/Agriculture - Plant Physiology

Card   :   1/1

Authors   :   Kudryavtsev, V. A.

Title   :   Importance of light intensity in the process of formation of generative organs of barley

Periodical   :   Dokl. AN SSSR, 97, Ed. 2, 349 - 352, July 1954

Abstract   :   The importance of light intensity on the formation of generative organs of barley is discussed. Numerous examples are given showing the favorable effects of light intensity on the growth of barley during various stages of its development. Ten references. Tables, drawing.

Institution :   The Agricultural Institute, Voroshilovgrad

Presented by :   Academician A. L. Kursanov, April 26, 1954

Kudryavtsev, V.A.

USSR/Biology - Plant physiology

Card 1/1   Pub. 22 - 49/54

Authors   : Kudryavtscv, V. A.

Title   : Attitude of tomatoes toward intensive light during various phases of formation of reproductive organs

Periodical   : Dok. AN SSSR 102/5, 1035-1038, Jun 11, 1955

Abstract   : Biological data are presented on the attitude of tomatoes toward intensive light during various phases of formation of the reproductive organs. Twelve USSR references (1938-1954). Table; illustration.

Institution : Ministry of Higher Education, USSR, The Voroshilovgrad Agric. Inst.

Presented by : Academician A. L Kursanov, April 1, 1955

USSR / Plant Physiology. Growth and Development.   I

Abs Jour   : Ref Zhur - Biol., No 8, 1958, No 34306

Author   : Kudryavtsev, V. A.
Inst   : Voroshilovgrad Agricultural Institute
Title   : Importance of Intensity of Light in Processes of Formation
              of Generative Organs of Barley and Some Other Plants.

Orig Pub   : Nauchn. zap. Voroshilovgradsk. s.-kh. in-ta, 1956, 4, No 1
              131-138

Abstract   : Plants of barley were darkened by two layers of gauze at
              the start of the period of formation of tetrads of pollen
              cells in the spikelets; this delayed full earing of plants
              by 4 to 5 days and reduced granulation of the ear by up to
              18 to 60% compared with control. Darkening during other
              phases, had lesses effect on the development and productivity
              of plants. Identical data were obtained with hard wheat.

Card 1/2

27

USSR / Plant Physiology.   Growth and Development   I

Abs Jour   : Ref Zhur - Biol., No 8, 1958, No 34305

Experiments with various degrees of darkening, in various
periods of development, have shown the following results:
the amount of grain in the ear is reduced by less light
received during the phases of formation of generative organs.
According to the author, the cause for the disturbance of
formation processes is due to the difficulty of transportation
of plastic substances from the leaves to the forming inflo-
rescences, and to the change in the process of metabolism
taking place directly in the ear. Bibliography, 20 titles.
-- L. D. Prusakova

Card 2/2

DZEKTSER, Ye.S.; KUDRYAVTSEV, V.A.

Water supply systems for fighting fires during the production
of peat fuels. Biul.tekh.-ekon.inform.Gos.nauch.-issl.inst.
nauch. i tekh.inform. no.3:15-17 '63.   (MIRA 16:4)

(Peat industry)   (Water supply)

KUDRYAVTSEV, V.A.

Effect of light intensity on the accumulation of dry matter
and cabohydrate metabolism in tomatoes. Fiziol. rast. 11
no. 3:409-416 '64.
(MIRA 17:7)

1. Kafedra botaniki i fiziologii rasteniy TSelinogradskogo
sel'skokhozyaystvennogo instituta.

L 25778-65   EWG(j)/EWG(r)/EWT(l)/FS(v)-3/EWG(v)/EWG(a)/EWG(c)   Pe-5   DD

ACCESSION NR: AR5000954   S/0299/64/000/020/G003/G003

SOURCE: Ref. zh. Biologiya. Sv. t., Abs. 2OG17

AUTHOR: Kudryavtsev, V. A.

TITLE: Light intensity effect on dry substance storage and carbohydrate metabolism of tomatoes

CITED SOURCE: Fiziol. rasteniy, v. 11, no. 3, 1964, 409-416

TOPIC TAGS: tomato plant, light brightness, photosynthesis, carbohydrate metabolism, amino acid

TRANSLATION: The effect of 10 day shading (reducing light by 4 to 6 times in gauze chambers) on dry substance storing rates and levels of certain carbohydrate forms was investigated in various plant organs in vegetation experiments on several varieties of tomato. Storing of dry substance was significantly retarded under poor illumination conditions, but after the shaded plants were moved into natural light, the storing process became far more intensive than in the control. The starch, sugar, and amino acid levels were reduced

Card 1/2

L 25778-65

ACCESSION NR: AR5000954

during shading, especially in the lower tier leaves, root system, /
and stem (and were reduced least in flower forming tissues). A
conclusion is drawn that the negative effect of reduced light
intensity on formation of flower sexual elements and productivity of
the tomato is related mostly to significant weakening of photosynthe-
tic activity in the leaves, and this in turn produces a rather acute
shortage of plastic substances. Tselinograd Agricultural Institute.

SUB CODE: LS

ENCL: 00

Card 2/2

KUDR'AVTSEV, V.A.; ROKTANEN, Zh.L.

Increase in the resistance of tomatoes to reduced lighting by
changing the conditions of root feeding. Izv. AN Kazakh. SSR.
Ser. biol. nauk 2 no.3:20-26 My-Je '64.

(MIRA 17:10)

KUDRYAVTSEV, V.A., aspirant

Ancient formations of the Stanovoy Range. Izv.vys.ucheb.
zav.; geol. i razv. 8 no.10:13-17 O '65.

1. Moskovskiy geologorazvedochnyy institut imeni Ordzhonikidze.

(MIRA 19:1)

KUDRYAVTSEV, V.A.; SHVALYUK, V.A.

Dynamic tests of rubber for shock absorbers. Zav.lab. 31
no.10:1256-1258 '65.

(MIRA 19:1)

KUDRYAVTSEV, V.A. [Kudriavtsev, V.O.]

Biological properties of pyogenic Staphylococci resistant to
imanin and novoimanin. Mikrobiol. zhur. 27 no.6:43-48 '65.

(MIRA 19:1)

1. Institut mikrobiologii i virusologii AN UkrSSR. Submitted
March 24, 1965.

KUDRYAVTSEV, V.A.

Determining the lower limit of permafrost. Merzlotovedenie 2 no.1:44-47
'47.
(MIRA 11:4)
(Frozen ground)

SAVEL'YEV, B.A., prof., doktor geol.-mineral. nauk; KUDRYAVTSEV, V.A., prof.,
doktor geol.-mineral. nauk, otvetstvennyy red.; SIL'KIN, B.I., red.

[Investigating the mechanical and physical properties of ice; a
manual] Izuchenie mekhanicheskikh i fizicheskikh svoistv l'da;
rukovodstvo. Moskva, Izd-vo Akad. nauk SSSR, 1957. 62 p.
                                              (MIRA 11:8)
1. Russia (1923-   U.S.S.R.) Mezhduvedomstvennyy komitet po
provedeniyu Mezhdunarodnogo geofizicheskogo goda.
                      (Ice--Testing)

KUDRYAVTSEV, V.A.

Effect of the petrological composition and moisture content of
soils on their temperature conditions. Vest.Mosk.un.Ser.biol.,
pochv.,geol.,geog. 13 no.4:3-7 '58.   (MIRA 12:4)

1. Kafedra merzlotovedeniya Moskovskogo universiteta.
                (Soil temperature)

KUDRYAVTSEV, V.A.

Method for approximate determination of average annual ground
temperatures in permafrost surveying, based on simultaneous measur-
ing of ground temperatures in boreholes. Nauch.dokl.vys.shkoly;
geol.-geog.nauki no.1:160-162 '59.   (MIRA 12:6)

1. Moskovskiy universitet, geologicheskiy fakul'tet, kafedra
merzlotovedeniya.
        (Earth temperature) (Frozen ground)

KUDRYAVTSEV, V.A., professor.

Training of specialists in permafrost research at the Moscow
University. Vest. Mosk. un. Ser. biol., pochv., geol.,
geog. 14 no.3:237-238 '59.   (MIRA 13:6)

1. Zaveduyushchiy kafedroy merzlotovedeniya Moskovskogo
universiteta.
                (Moscow--Frozen ground--Study and teaching)

KUDRYAVTSEV, V.A. [translator]; MOISEYEVA, V.M. [translator]; TUPITSYN,
N.V.[translator]; TSZYAN TSZU-TSZE [Chiang Tsu-chieh] [translator];
PAVLINOV, V.N., prof., red.; SAMARCHYAN, L.M., red.izd-va;
POSPELOVA, A.M., red.izd-va; GUROVA, O.A., tekhn.red.

[Transactions of the First Conference on Recent Tectonic Movements
in China] Trudy Pervogo soveshchaniia po neotektonike Kitaia;
sbornik dokladov. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po geol.
i okhrane nedr, 1960. 185 p.   (MIRA 13:12)

1. Soveshchaniye po neotektonike Kitaya, 1st, Peking, 1956.
          (China--Geology, Structural)

GLUKHOVA, V.A. [translator]; KUDRYAVTSEV, V.A. [translator]; MITBREYT,
B.A. [translator]; MUDROV, B.G. [translator]; SHANTANOV, S.K.
[translator]; SOKOLOV, D.S., red.; ROMANOVICH, G.P., red.;
BELEVA, M.A., tekhn.red.

[Regional stratigraphy of China] Regional'naia stratigrafiia
Kitaia. Pod red. i s predisl.D.S.Sokolova. Moskva, Izd-vo
inostr.lit-ry, 1960. 657 p. Translated from the Chinese. (MIRA 13:6)
(China--Geology, Stratigraphic)

KUDRYAVTSEV, V.A.; MELAMED, V.G.

Numerical estimation of heat balance in media with phase transitions as a criterion of temperature shift determination. Izv. AN SSSR. Ser. geofiz. no.12:1796-1800 D '60.   (MIRA 13:12)

1. Moskovskiy gosudarstvennyy universitet im. M.V.Lomonosova.
                    (Earth temperature)

KUDRYAVTSEV, V. A.

Annual temperature variations in rocks. Merzl. issl. no.1:
26-31 '61.   (MIRA 16:1)

        (Rocks—Thermal properties)

KUDRYAVTSEV, V. A.

Importance of temperature and permafrost zoning in the forma-
tion of syngenetic frozen layers having stratified cryogenic
structure. Merzl. issl. no.1:21-25 '61.

(MIRA 16:1)

(Frozen ground)

MELAMED, V. G.; KUDRYAVTSEV, V. A.

Numerical method for calculating the thermal economy of soil
in multiphase media with mobile phase boundaries. Merzl.
issl. no.1:32-38 '61.   (MIRA 16:1)

                    (Soil temperature)

KUDRYAVTSEV, V. A.; MELAMED, V. G.; GULIKOV, A. Ye.

    Calculating methods and the construction plan of cooling
installation for petroleum products being pumped into frozen-
ground reservoirs. Merzl. issl. no.1:307-317 '61.

                                        (MIRA 16:1)

       (Frozen ground)
       (Petroleum products—Storage)

KUDRYAVTSEV, V.A.; MELAMED, V.G.

New formula for calculating the depth of seasonal freezing and
thawing of soils in case of like thermophysical characteristics
of frozen and thawed soils. Merzl.issl. no.2:3-17 '61. (MIRA 16:5)
                                (Frozen ground)

KUDRYAVTSEV, V.A.; KONDRAT'YEVA, K.A.; VITKINA, N.Kh.

Mapping the seasonal freezing and thawing of ground. Mersl.issl.
no.2:18-32 '61.   (MIRA 16:5)

(Frozen ground—Maps)

KUDRYAVTSEV, V.A.

Tectonics of northeastern China. Biul. MOIP. Otd. geol. 36
no.2:124-125 Mr-Ap '61.   (MIRA 14:7)
                    (China--Geology, Structural)

GLUKHOVA, V.A.[translator]; KUDRYAVTSEV, V.A.[translator]; MARKOV,
     M.S.[translator]; MOISEYEVA, V.M.[translator]; KELLER, B.M.,
     red.; ROMANOVICH, G.P., red.; KHAR'KOVSKAYA, L.M., tekhn.
     red.

     [Ancient rocks of China]Drevneishie porody Kitaia; sbornik
     statei. Moskva, Izd-vo inostr.lit-ry, 1962. 305 p.
     Translated from the Chinese and English.   (MIRA 15:9)
                         (China--Geology)

BROD, I.O., prof., doktor geol.-miner. nauk; VARSANOF'YEVA, V.A.,
     prof., doktor geol.-miner. nauk; VELIKOVSKAYA, Ye.M., prof.,
     doktor gool.-miner. nauk; GORDEYEV, D.I., prof., doktor
     geol.-miner. nauk; DOBROV, S.A., doktor geol.-miner. nauk
     [deceased]; KOF, M.I., kand.tekhn.nauk, [deceased]; KUZMICHEVA,
     Ye.I., mladshiy nauchnyy sotr.; KUZNETSOV, Ye.A., prof., doktor
     geol.-miner. nauk; LEONOV, G.P., prof., doktor geol.-miner. nauk;
     MENNER, V.V., dotsent, doktor geol.-miner. nauk; NAZARENKO, I.I.,
     kand. sel'khoz.nauk; POBEDIMSKAYA, Ye.A., assistent; POPOV, S.P.,
     prof., doktor geol.-miner. nauk; SMIRNOV, V.I.; SMIRNOV, N.N.,
     prof., doktor geol.-miner. nauk; SMOL'YANINOV, N.A., prof.,
     doktor geol.-miner. nauk [deceased]; FENIKSOVA, V.V., dotsent,
     kand.geol.-miner. nauk; SHAFRANOVSKIY, I.I., prof., doktor geol.-
     miner. nauk; Prinimali uchastiye: BARSANOV , G.P., prof.,
     doktor geol.-miner. nauk; BOKIY, G.B.; GORSHKOV, G.P., prof.,
     doktor geol.-miner. nauk; KUDRYAVTSEV, V.A., prof., doktor
     geogr. nauk; MARKOV, P.N., dotsent, kand.geol.-miner. nauk;
     MOROZOV, S.S., prof., doktor geol.-miner. nauk; ORLOV, Yu.A.,
     akademik; SERGEYEV, Ye.M., prof., doktor geol.-miner. nauk;
     TVALCHRELIDZE, A.A.; GEORGIYEVA, G.I., tekhn. red.

BROD, I.O.--- (continued) Card 2.

[History of geology at Moscow University] Istoriia geologi-
cheskikh nauk v Moskovskom universitete. Pod red. D.I.Gorde-
eva. Moskva, Izd-vo Mosk. univ., 1962. 351 p. (MIRA 15:7)

1. Moscow. Universitet. Geologicheskiy fakul'tet. 2. Chlen-
korrespondent Akademii nauk SSSR (for Smirnov). 3. Chlen-
korrespondent Sibirskogo otdeleniya Akademii nauk SSSR (for
Bokiy). 4. Deystvitel'nyy chlen Akademii nauk Gruzinskoy SSR
(for Tvalchrelidze).
  (Moscow University) (Geology--Study and teaching)

KUDRYAVTSEV, Vladimir Aleksandrovich

"Theory of the development of frozen rock masses"

report to be submitted for the Intl. Conference on Permafrost, Purdue Univ., Lafayette, Indiana, 11-15 Nov 63

KUDRYAVTSEV, Vladimir Aleksandrovich, BARANOV, I. Ya.,

"Permafrost rocks of Eurasia"

report to be submitted for the Intl. Conference on Permafrost, Purdue Univ.,
Lafayette Indiana, 11-15 Nov 63

BONDARENKO, N.I.[translator]; KUDRYAVTSEV, V.A.[translator];
    MITBREYT, B.A.[translator]; SOKOLOV, D.S., red.;
    ROMANOVICH, G.P., red.; BELEVA, M.A., tekhn. red.

[Stratigraphy of China by regions] Regional'naia stratigra-
fiia Kitaia. Moskva, Izd-vo inostr. lit-ry. No.2. 1963. 272 p.
Translated from the Chinese.   (MIRA 16:6)
                (Chine--Geology, Stratigraphic)

POLTEV, Nikolay Fedorovich; KUDRYAVTSEV, V.A., prof., red.;
    LOPATINA, L.I., red.; CHISTYAKOVA,K.S., tekhn. red.

[Principles of the surveying of frozen ground (selected
chapters)] Osnovy merzlotnoi s"emki (izbrannye glavy). Pod
red. V.A.Kudriavtseva. Moskva, Izd-vo Mosk. univ., 1963.
98 p.   (MIRA 16:10)
    (Frozen ground)   (Surveying)

KUDRYAVTSEV, V.A.; MELAMED, V.G.

Formula for calculating the depth of the seasonal freezing
of soils when the thermophysical characteristics of unfrozen
and frozen soils differ. Merzl. issl. no.3:3-9 '63.

(MIRA 17:6)

KUDRYAVTSEV, V.A.

Potential seasonal freezing and thawing of rocks. Merzl.
issl. no.3:10-17 '63.   (MIRA 17:6)

KUDRYAVTSEV, V.A.

Standards for the deep setting of foundations in connection
with the possibility of soil heaving during freezing
(according to Standards and Technical Requirements 127-55).
Merzl. issl. no.3:267-275 '63.   (MIRA 17:6)

MELAMED, V.G.; KUDRYAVTSEV, V.A.; GULIKOV, A.Ye.

Studying the temperature conditions of icehouses used for
different purposes. Merzl. issl. no.3:276-288 '63.
(MIRA 17:6)

KUDRYAVTSEV, V.A.; MELAMED, V.G.; BAKULIN, V.P.

Forecasting, during operation of the steady-state temperature
conditions of the dam and foundation bed of the Vilyuy
Hydroelectric Power Station. Vest. Mosk. un. Ser. 4: Geol 18
no.5:70-77 S-O'63.
(MIRA 17:2)

1. Kafedra merzlotovedeniya Moskovskogo universiteta.

KUDRYAVTSEV, V. A.; MELAMED, V. G.

"On calculation of a soil temperature regime at seasonal freezing or thaw-ing of soil."

report submitted for 2nd All-Union Conf on Heat & Mass Transfer, Minsk, 4-12 May 1964.

Moscow State Univ.

KUDRYAVTSEV, V.A.

Changes of the dynamic modulus of elasticity of rubber in the
speed function measured during impact. Kauch. 1 rez. 24 no.10:39-
40 '65.

(MIRA 18:10)

BONDARENKO, A.S.; ZELEPUKHA, S.I.; IOCHINOK, P.Ya.; NEGRASH, A.K.
    [Nehrash, A.K.]; KUDRYAVTSEV, V.A.

Antimicrobial properties of Bidens cernua L. and Bidens
tripartita L.   Mikrobiol. zhur. 26 no.1:67-72 '64.

1. Institut mikrobiologii AN UkrSSR.   (MIRA 18:11)

SUSHKEVICH, M.V., inzhener; PAVLOV, M.A.; KUDRYAVTSEV, V.A., redaktor;
STEBLYANKO, T.V., tekhnicheskiy redaktor.

[Handbook on the quality control of tractor repairs] Spravochnik po
kontroliu kachestva remonta traktorov. Izd. 2-e,ispr. i dop. 399 p.
(Tractors--Repairing)   (MIRA 8:4)

VECHTOMOV, M.I., inzh.; KUDRYAVTSEV, V.A., inzh.; MALKES, D.A., inzh.;
OSTROVSKIY, G.I.;POVERENNYY, L.D.;SUSHKOV, P.M., inzh.;
TYULENEV, N.Z., inzh. Prinimali uchastiye: GALYAMOVA, N.S., inzh.;
PUTEYEVA, N.P.; IZRAYLOVICH, Ye.A., inzh.; MARCHENKO, G.A., inzh.;
MALYGINA, Z.S.; SOKOLOVA, Ye.A.; SOKOV, V.M., inzh.; TARASOVA,
S.N.; TASHAYEV, A.L., inzh.; FILIMONOV, S.V.; DRALICH, K.F.,inzh.,
nauch. red.; NOVITCHENKO, K.M., inzh., nauchnyy red.; SIMAKOV,
S.N., inzh., nauchnyy red.; FAKTOROVICH, Yu.A., kand. tekhn. nauk,
nauchnyy red.; STUPIN, Ye.N., otv. red.; LUTOV, N.S., red.;
IVANOV, V.S., red.; BAGUZOV, N.P., glav. red.; VOLCHEGORSKIY, M.S.,
zam. glav. red.; DOBRYNIN, S.N., red.; NAZAROV, I.A., red.;
KOLESNIKOV, S.I., red.; MEL'NIKOV, N.P., red.; SUSNIKOV, A.A.,red.;
STAROVEROV, I.G., red.; LYTKINA, L.S., red. izd-va; GORDEYEV, P.A.,
red. izd-va; OSENKO, L.M., tekhn. red.

[Handbook for the designer of industrial, residential, and public
buildings and structures; organization of construction and execu-
tion of building and assembly operations. Industrial construc-
tion] Spravochnik proektirovshchika promyshlennykh, zhilykh i
obshchestvennykh zdanii i sooruzhenii; organizatsiia stroitel'-
stva i proizvodstvo stroitel'no-montazhnykh rabot. Promyshlen-
noe stroitel'stvo. Pod red. P.M.Sushkova. Moskva, Gos.izd-vo
lit-ry po stroit., arkhit. i stroit. materialam, 1961. 372 p.
(MIRA 15:2)
(Industrial buildings)

KUDRYAVTSEV, Vsevolod Aleksandrovich; DEMIDOVICH, Boris Pavlovich;
BAYEVA, A.P., red.; AKHLAMOV, S.N., tekhn.red.

[Short course in higher mathematics] Kratkii kurs vysshei
matematiki. Izd.2., perer. i dop. Moskva, Gos.izd-vo
fiziko-matem.lit-ry, 1959. 432 p.   (MIRA 12:12)
                  (Mathematics)

KUDRYAVTSEV Vsevolod Aleksandrovich ·Library

(1885 - 1953)

Vest. mosk. un 8; 12 p 127 D '53

KUDRYAVTSEV, V.A.; STERLIN, D.M.

Using interfactory schools for the promotion of experience. Der.
prom. no.3:21-22 Mr '59.   (MIRA 12:4)
                          (Technical education)

L 54865-65   EWT(1)/T/EWA(h)   Pz-6/Peb   IJP(c)   AT
ACCESSION NR: AP5014803   UR/0030/65/000/005/0086/0088
                                                 537.311.33

AUTHOR: Kudryavtsev, V. A. (Candidate of technical sciences); Regel', A. R.
(Doctor of physico-mathematical sciences)

TITLE: Joint studies on the problem of semiconductors

SOURCE: AN SSSR. Vestnik, no. 5, 1965, 86-88

TOPIC TAGS: semiconductor device, semiconducting material, semiconductivity,
crystal, solid state physics, quantum theory

ABSTRACT: Multilateral cooperation in semiconductor research was agreed upon
at a meeting of representatives of Soviet-bloc Academies of Sciences held
in Warsaw in March 1962. The Czechoslovak Academy of Sciences was
chosen to head all the activities encompassed by the agreement because of
its experience in the field of zone structure and optical phenomena in semi-
conductors. General coordination of research was entrusted to a special
station of representatives of the Academies of Sciences of Bulgaria,

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GDR, Poland, Rumania, USSR, and Czechoslovakia. Problems of organi-
zation and coordination are considered daily by the commission, which
also provides the guidelines for the mutual effort.

The Czechoslovak Academy of Sciences, in addition to the general
management of all the activities, also oversees a complex of studies on
structure and transport phenomena. Research is carried out in
countries and covers the following areas· optical and magneto-
optical phenomena in semiconductors, transport phenomena in strong
magnetic fields, the effect of strong alloying on changes in zone structure,
zone structure and transport in amorphous and liquid semiconductors,
and recombination processes.

Research into the physical properties of semiconductor compounds
is under the auspices of the Polish Academy of Sciences, which has
made significant contributions in that area. Investigations of electron
phenomena on semiconductor surfaces are directed by the Soviet Academy
of Sciences. Research is conducted in several directions of both sci-

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entific and practical interest, with special emphasis on the real and
atomically pure semiconductor surfaces, the role of surface electron
states in atomic and molecular adsorption phenomena, nonequilibrium
processes occurring on semiconductor surfaces, transport phenomena,
and the effect of surface states and external factors on the operation of
semiconductor devices.

Studies of structural defects in semiconductors are directed by the
Hungarian Academy of Sciences and cover lattice defects in semicon-
ductor single crystals, the effect of vacancies and dislocations on the
physical properties of semiconductors, and the theory of dislocation
motion. The cooperative effort in this field was begun in 1964.

Consultations by working groups of specialists are held periodically.
At these meetings, the current state of activities in a particular field are
discussed, and research guidelines are recommended. In addition, there
are summer sessions and symposia dealing with the basic trends in
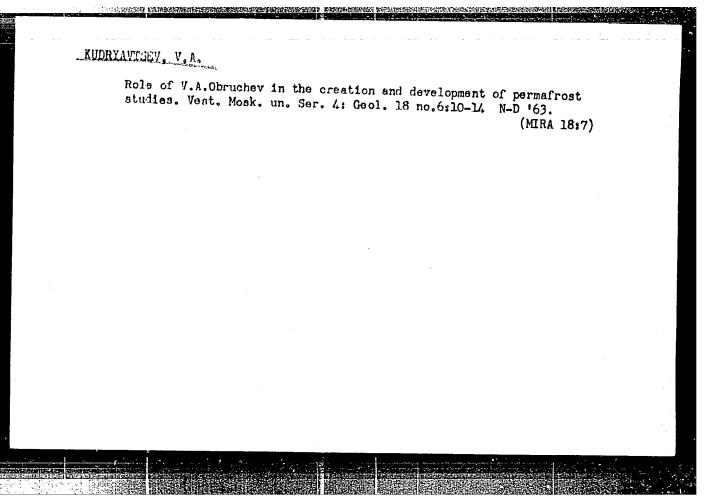
Card 3/5

L 54365-65

ACCESSION RNR: AP5014803

semiconductor research. For example, a summer session was organized for theoretical physicists by the Soviet Academy of Sciences in Leningrad in 1964. Application of methods of the field theory to solid-state physics was the main topic of the session. Lectures were given by Soviet scientists on methods of the quantum field theory as applied to statistical physics, on electron spectrum characteristics in crystals, on recombination waves in semiconductors, on the theory of strongly alloyed semiconductors, and on the theory of electromagnetic phenomena. In the same year, a session was organized by the Hungarian Academy of Sciences devoted entirely to the physical properties of lattice defects in semiconductor crystals.

The problems of transport phenomena in semiconductors were considered at a symposium organized by the Polish Academy of Sciences in Warsaw at the end of 1964. In particular, the results of joint investigations in the field of transport phenomena and zone structure, chiefly of types $A^{III}B^{V}$ and $A^{II}B^{VI}$, were presented.

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L 54066-65
ACCESSION NR: AP5014803

The final results of cooperation for 1965 will be discussed at a spe-
cial meeting of the Commission to be held the second half of the year.
Cooperation has made it possible to conduct more rationally investigations
requiring unique and expensive equipment. For example, the Hungarian
Academy has excellent facilities for electron microscopy, while the
Polish Academy has equipment for research employing x-ray and para-
magnetic resonance techniques. In addition, Polish and GDR scientists
have agreed to build jointly a special furnace for studying pure silicon
carbide.

ASSOCIATION: none

SUBMITTED: 00   ENCL: 00   SUB CODE: EC, SS

NR REF SOV: 000   OTHER: 000   ATD PRESS: 4025-F

Card 5/5

KUDRYAVTSEV, V. A.

Role of V.A.Obruchev in the creation and development of permafrost
studies. Vest. Mosk. un. Ser. 4: Geol. 18 no.6:10-14 N-D '63.
(MIRA 18:7)

KUDRYAVTSEV, V. A.; MELAMED, V. G.; GOLOVKO, M. D.; TRUSH, N. I.

Studying thermal conditions in the body and the foundation
of the earth dam of the Salekhard Hydroelectric Power
Station during its construction and exploitation. Merzl. issl.
no.1:255-306 '61.   (MIRA 16:1)

(Salekhard Hydroelectric Power Station—Dams)

ZELEPUKHA, S.I.; RABINOVICH, A.S.; POCHITHOK, I.Yu. (Pochynok, I.IA.); NEGRASH,
A.K. (Nehrash, A.K.); KUDRYAVTSEV, V.A.

Study of the antimicrobic characteristics of kansatin A, a preparation
derived from hemp. Mikrobiol. zhur. 25 no.2:42-46 '63.   (MIRA 17:10)

1. Institut mikrobiologii AN UkrSSR.

KUDRYAVTSEV, V.A. [Kudriavtsev, V.O.]

Sensitivity of pyogenic Staphylococci to imanin and novoimanin. Mikro-
biol. zhur. 26 no.5:65-69 '64.   (MIRA 18:7)

1. Institut mikrobiologii i virusologii AN UkrSSR.

KUDRYAVTSEV, V.A. [Kudriavtsev, V.O.]

Development of the resistance of pyogenic Staphylococci to im in
and novoimanin. Mikrobiol. zhur. 27 no.3:65-71 '65.

(MIRA 18:6)

1. Institut mikrobiologii i virusologii AN Ukr-SSR.

KUDRYAVTSEV, V.A., inzh.

Effect of the concentration of freight operations on some indices
of the operational work in railroad transportation. Sbor. trud.
LIIZHT no.221:22-50 '64.

Methodology for the calculation of the economic efficiency of the
concentration of freight operations in a reduced number of stations.
Ibid.:51-62   (MIRA 18:8)

KUDRYAVTSEV, V.A.; VEDEN'KOV, Ye.P.; ROKTANEN, Zh.L.

Aftereffects of a temporary reduction in light intensity in
tomatoes. Izv. AN Kazakh. SSR. Ser. biol. nauk 2 no.6:30-38
N-D '64.   (MIRA 18:3)

MARAKUSHEV, A.A.; KUDRYAVTSEV, V.A.

Paragenesis of hypersthene with sillimanite and its petrological
significance. Dokl. AN SSSR 164 no.1:179-182 S '65.

(MIRA 18:9)

1. Dal'nevostochnyy geologicheskiy institut Sibirskogo otdeleniya
AN SSSR. Submitted September 2, 1964.

67874   3

~~16(1)~~ 16.9500

AUTHOR: Kudryavtsev, V.B.   S/020/60/130/06/003/059

TITLE: Completeness Problems for Automatic Systems

PERIODICAL: Doklady Akademii nauk SSSR,1960,Vol 130,Nr 6,pp 1189-1192 (USSR)

ABSTRACT: The author investigates the completeness of a system of
             elementary finite automatons (i.e.automatons with finitely many
             states). It is shown that the problem depends essentially on the
             fact what is understood under the function realized by the
             automaton and which classes of control are admitted. According
             to this the author proposes several definitions of the
             completeness. Conditions for different completenesses are given.
             Four theorems and two lemmas are formulated.
             S.V.Yablonskiy is mentioned in the paper.
             There are 3 figures, and 9 references, 7 of which are Soviet,
             and 2 American.

ASSOCIATION:Moskovskiy gosudarstvennyy universitet imeni M.V.Lomonosova
             (Moscow State University imeni M.V.Lomonosov)

PRESENTED: October 24, 1959, by S.L.Sobolev, Academician

SUBMITTED: October 23, 1959
Card 1/1

AUTHOR: Kudryavtsev, V. B.

TITLE: Completeness Theorem for a Class of Automatons Having no
       Back Couplings

PERIODICAL: Doklady Akademii nauk SSSR, 1960, Vol. 132, No. 2,
            pp. 272-274

TEXT: The author starts from his former paper (Ref.3). Let R be a set.
As superpositions the totality of the operations are denoted by which
an element of R is associated to groups of elements of R. With the
aid of the notion of the superposition the closure $[\mathfrak{M}] \subseteq R$
of the set $\mathfrak{M} \subseteq R$ is explained. Let $\mathcal{U}$ an arbitrary system of
subsets U from R. The set K is called complete with respect to $\mathcal{U}$
if $[K] \cap \mathcal{U} = \wedge$ holds for every U of $\mathcal{U}$. The set N
is called precomplete class with respect to $\mathcal{U}$ if a.) $\mathfrak{N}$ is not
complete with respect to $\mathcal{U}$; b.) for every element a which does not
belong to N, $[a \cup N]$ forms a set complete with respect to $\mathcal{U}$.
Let $\mathfrak{N}$ be the totality of the classes precomplete with respect to $\mathcal{U}$.
Theorem 1: A subset G of elements of R is complete with respect to
$\mathcal{U}$ if and only if it is entirely contained in none of the pre-
complete classes of the system $\mathfrak{N}$.

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S/020/60/132/02/08/067

Completeness Theorem for a Class of Automatons Having no Back Couplings

Let $\mathcal{N}'$ be a system of sets N'; each of them is not complete with re-
spect to a system $\mathcal{U}'$ of subsets U' of R; let none of the sets N' be
contained in another set of $\mathcal{N}'$. Let the set G' from R be complete
with respect to $\mathcal{U}'$ if and only if it is completely contained in no
set N' of the system $\mathcal{N}'$.

Theorem 2: 1.) Every set N' is a precomplete class with respect to $\mathcal{U}'$
2.) in R there exists no class precomplete with respect to $\mathcal{U}'$ which
is not contained in $\mathcal{N}'$; 3.) every subset which is not precomplete
with respect to $\mathcal{U}'$ can be extended to a class which is precomplete with
respect to $\mathcal{U}'$.

Let P_2 be the set of all pairs (f,k) where $f \in P_2$, $k = 0,1 ...$(Ref.2).
The number t in the pair (f,t) can be understood as the time of
calculation of the value of the function f. The operations of super-
position are inductively introduced in P_2 (see R. Ye. Krichevskiy
(Ref.4)). P_2 is decomposed into a system $\mathcal{U}''$ of subsets U'', where
$\bigcup$ U'' = P_2 , U'' = $\{(f_o,k)\}$, where f_o is an arbitrary fixed function
from P_2. In theorem 3 the author states that a set of elements
$F = \{(f_j,t_j)\}$ is complete with respect to $\mathcal{U}''$ if and only if F is

Card 2/3

Completeness Theorem for a Class of Automatons Having no Back Couplings S/020/60/132/02/08/067
not contained in eleven certain (explicitly given) sets.
Theorem 4: From every set complete with respect to $\mathcal{U}''$ there can be
separated a subset completewith respect to $\mathcal{U}^{\hbar}$ which does not contain
more than 5 elements.
The author mentions A. V. Kuznetsov.
There are 4 references: 3 Soviet and 1 American.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet imeni M. V.
        Lomonosova (Moscow State University imeni M. V. Lomonosov).

PRESENTED: January 9, 1960, by P. S. Aleksandrov, Academician

SUBMITTED: February 29, 1959

Card 3/3

KUDRYAVTSEV, V.B. (Moskva)

Completeness theorem for a certain class of automata without
feedback. Probl.kib. no.8:91-116 '62.   (MIRA 16:4)
                        (Automatic control)

L 14364-63   EWT(d)/FCC(w)/BDS   AFFTC   IJP(c)

ACCESSION NR: AP3003839   S/0020/63/151/003/0493/0496   54
                                                                          53
AUTHOR: Kudryavtsev, V. B.

TITLE: Cardinality of sets of pre-complete classes of certain functional systems,
connected with automatons.
                                                                             16
SOURCE: AN SSSR. Doklady*, v. 151, no. 3, 1963, 493-496

TOPIC TAGS: automaton, set cardinality

ABSTRACT: Considered are questions connected with the completeness of certain
functional systems which describe the properties of automatons. The conditions
of completeness are formulated in terms of pre-complete classes, and the effect-
iveness of these conditions depends on the cardinality of the collection of all
the pre-complete classes. It is shown that the cardinality of the collection of
all pre-complete classes of bounded determinant operators is equal to the contin-
uum, and, analogously, the cardinality of the class of determinant operators is
equal to the hyperconfinuum. "I express my deep gratitude to O. B. Lupanov for
direction and to S. Y. Yablonskiy for comments." Orig. art. has: 7 formulas
and 2 figures.

         1/2   ASSOCIATION: Moscow St. Un.

Card

L 56564-65   EWT(1)/EWA(h)   En-4/Peb/Pi-4
ACCESSION NR: AP5015255   UR/0286/65/000/009/0036/0036

AUTHORS: Kudryavtsev, V. B.; Gerasimov, L. I.   19
                                                                        8

TITLE: Method for tuning the frequency of tuning fork oscillators. Class 21,
No. 170557

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 9, 1965, 36

TOPIC TAGS: oscillator, tuning fork

ABSTRACT: This Author Certificate presents a method for tuning the frequency of
tuning fork oscillators. For a high degree of smoothness in the frequency tuning,
the tuning is accomplished by shifting the elementary particles of the metal
under the effect of an electrostatic field to or from the tuning fork. This
changes its equivalent mass to the magnitude corresponding to the nominal fre-
quency of the tuning fork generator.
ASSOCIATION: Leningradskaya voyennaya inzhenernaya krasnoznamennaya akademiya
im. Mozhayskogo (Leningrad Military Engineering Academy)

SUBMITTED: 20Jun63   ENCL: 00   SUB CODE: EC

NO REF SOV: 000   OTHER: 000
Card 1/1 LL

L 56043-65   EWT(d)   IJP(c)

ACCESSION NR: AT5014619   UR/2582/65/000/013/0045/0074

AUTHOR: Kudryavtsev, V. B. (Moscow)

TITLE: The power of groups of precomplete groups of certain functional systems
related to automata

SOURCE: Problemy kibernetiki, no. 13, 1965, 45-74

TOPIC TAGS: automaton completeness, automaton functional characteristic, func-
tional characteristic completeness, completeness criterion, finite automaton,
control theory

ABSTRACT: The paper discusses the problem of completeness of automata. In en-
gineering practice, the feasibility of an automaton with an arbitrary specified
behavior reduces to the question of the existence, among the permissible schemes,
of a design which realizes the automaton under consideration, i.e., to the ques-
tion of completeness of the initial system of automata. This problem may be re-
duced to the completeness problem of a functional system. The rest of the paper
refers to finite automata. Using the transformation of the input sequence into an
output sequence as the functional characteristic of the automaton, the problem
under discussion is reformulated in the following manner: Let us investigate the

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ACCESSION NR: AT5014619

group P of functional characteristics of all finite automata containing super-
position and feedback operations; an arbitrary subgroup $\mathfrak{M}$ is then chosen within
P. For which choices of $\mathfrak{M}$ can one generate an arbitrary functional characteristic
P? The basic result of the paper is contained in the proof that the power of all
precomplete groups in P is equal to the continuum, i.e., coincides with the power
of the group of all subgroups of P. In addition, the article proves that P con-
tains arbitrarily extended independent complete systems. Consequently, no ef-
fective completeness criterion exists in terms of precomplete groups. For sim-
plicity's sake, the article assumes throughout that the input and output variables
of the functional characteristics can take only the values of 0 and 1. Orig. art.
has: 133 formulas and 25 figures.

ASSOCIATION: None

SUBMITTED: 23Sep63   ENCL: 00   SUB CODE: IE, DP

NO REF SOV: 010   OTHER: 002

Card   2/2

ACC NR: AM6027423   Monograph   UR/

Yablonskiy, Sergey Vsevolodovich; Gavrilov, Gariy Petrovich; Kudryavtsev, Valeriy
Borisovich

Functions of the algebra of logic and Post's classes (Funktsii algebry logiki i
klassy Posta) Moscow. Izd-vo "Nauka", 1966. 119 p. illus., biblio., index.
10,000 copies printed.

Series note: Matematicheskaya logiki i osnovaniya matematiki

TOPIC TAGS: logic algebra, logic algebra function, cybernetics, algebraic logic,
mathematic logic, class theory

PURPOSE AND COVERAGE: This book is intended for all those interested in the algebra
of logic and theoretical cybernetics. The work is based on Post's work in the
algebra of logic and is essentially a summary of his "Two-valued Iterative
Systems", first published in 1941. The general concept of proof, the formulation
of many of the lemmas, and some of the reasoning is borrowed from Post's work.
However, in an effort to simplify the presentation, the authors obtain a structure
for closed classes of logic algebra functions which is simpler than Post's.

TABLE OF CONTENTS [abridged]:

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ACC NR: AM6027423

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    Ch. II. Self-duality, monotonic and linear functions of the algebra of logic --22
    Ch. III. Types of bases of closed classes -- 39
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SUB CODE: 12/   SUBM DATE: 11Jan66/   SOV REF: 033/   OTH REF: 017/

Card 2/2

KUDRYAVTSEV, Vasiliy Dmitriyevich

(Irkutsk State U imeni Zhdanov) - Academic degree of Doctor of
Pedagogical Sciences, based on his defense, 24 December 1954, in
the Council of Sci Res Inst of Methods of Teaching of the Acad
of Pedagogical Sciences RSFSR, of his dissertation entitled:
"Teaching of the Russian Language in the Buryat-Mongol Seven-
year School."

Academic degree and/or title: Doctor of Sciences

SO: Decisions of VAK, List no. 1, 7 Jan 56, Byulleten' MVO SSSR, Uncl.
     JPRS/NY-548

Kudryavtsev, V.D.

109-10-12/19

AUTHORS: Fabrikov, V.A., Kudryavtsev, V.D., and Gushchina, Z.M.

TITLE: Nickel-Copper Ferrites having a Narrow Absorption Line at
             Ultra-high Frequencies (Nikel'-Mednye ferrity s uzkoy
             rezonansnoy krivoy poloshcheniya na sverkhvysokikh chastotakh)

ABSTRACT: Some nickel-copper ferrites were produced which, when
             operated at frequencies of the order of 10^{10} c.p.s., gave an
             attenuation ratio of 125 for the two opposite directions of
             the magnetising field. Thus, it was found that over a band-
             width of $\pm$ 3%, the direct losses in a rectangular waveguide
             were 0.5 db, while the reverse losses were more than 20 db.
             The authors thank Corresponding Member of the Ac.Sc.USSR
             A.A. Pistol'kors for his constant attention.
             There are 1 photograph and 2 **references**.

AVAILABLE: Library of Congress.
Card 1/1

24(3)
AUTHORS:

Fabrikov, V. A., Kudryavtsev, V. D., Gushchina, Z. M.

SOV/48-23-3-17/34

TITLE:

Ferrites With Intense Saturation Magnetization and a Narrow Resonance Absorption Curve at Superhigh Frequencies (Ferrity s bol'shoy namagnichennost'yu nasyshcheniya i uzkoy rezonansnoy krivoy pogloshcheniya na sverkhvysokikh chastotakh)

PERIODICAL:

Izvestiya Akademii nauk SSSR. Seriya fizicheskaya, 1959, Vol 23, Nr 3, pp 372-376 (USSR)

ABSTRACT:

In the present paper the authors investigated Ni-Cu-ferrites with admixtures of cobalt and small quantities of manganese, which had been added in order to attain a higher electric resistance of the material in direct current (Ref 12). Saturation magnetization, density, electric resistance in direct current, width of the resonance absorption curve on the frequency of 9,350 megacycles, working characteristics of ferrites in a valve device of the resonance type in the same range of frequency, as well as the microstructure of the material were measured. The results obtained in connection with the investigation of the ferromagnetic resonance of spherical samples in the rectangular resonator

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Ferrites With Intense Saturation Magnetization and a   SOV/48-23-3-17/34
Narrow Resonance Absorption Curve at Superhigh Frequencies

are given in figure 1. The width of the resonance curve
depends to a considerable extent on the copper content.
Figure 2 shows by means of an experimentally found curve the
effect of Co admixtures exercised upon the width of the
resonance curve of Ni-Cu-ferrites. The dependence on the
temperature of sintering is given in figure 3. Compositions
with an especially narrow line of resonance are characterized
in a waveguide valve by relations of the wave extinction device
(in decibels) which correspond to two opposite directions of
propagation (Ref 7). All Ni-Cu-ferrites can be divided into
two groups with respect to microstructure. In the case of a
substitution of less than 14 % nickel by copper the ferrites
usually have fine-grained structure with an average size
of grains amounting to 10 μ. If the substitution amounts to
more than 14 %, the average size of grains varies between
45 and 55 μ. Figures 4 and 5 show photographs of typical struc-
tures of both types as well as experimentally found curves.
The authors thank A. A. Pistol'kors for the interest he dis-
played. There are 5 figures and 16 references, 2 of which are
Soviet.

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D201/D305

$9.2571(1147)$

AUTHORS: Gushchina, Z.M., Fabrikov, V.A. and Kudryavtsev,
              V.D.

TITLE: Temperature characteristics of ferrite elements in
              SHF devices

PERIODICAL: Referativnyy zhurnal. Avtomatika i radioelektronika,
              no. 7, 1961, 49, abstract 7 I298 (V sb. Ferrity.
              Fiz. i fiz. khim. svoystva, Minsk, AN SSSR, 1960,
              522-529)

TEXT: A study has been made of the temperature characteristics
of ferrite elements in switching devices with the rotation of the
polarization plane. It was shown that by choosing the optimum op-
erating conditions, it is possible to obtain a good temperature
stability (TS) of the rotation angle of the polarization plane of
the wave: 45 ± 2.5° in the temperature range -60 to +100°C. The
admixture of Cu to the Mg-Mn ferrites improves the TS of the ferrite

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Temperature characteristics...

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elements, operating in medium and strong magnetizing fields. An important method in obtaining the TS of ferrite elements is the use of compensating circuits. The procedure is given of measuring the temperature characteristics of ferrite elements. 2 references. /Abstracter's note: Complete translation_7

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9,2571
24.7900 (1055,1144,1163)

3C06?
S/048/61/025/011/012/031
B104/B102

AUTHORS: Fabrikov, V. A., Kozlov, V. I., Kadeyev, V. T., and
Kudryavtsev, V. D.

TITLE: Experimental study of effects on yttrium ferrite single
crystals, which are related to nutational oscillations of
magnetization of the material on ferromagnetic resonance

PERIODICAL: Akademiya nauk SSSR. Izvestiya. Seriya fizicheskaya, v. 25,
no. 11, 1961, 1367 - 1371

TEXT: Nonlinear gyromagnetic effects in ferrites may, in first approxima-
tion, be divided into two groups. The first group consists of those gyro-
magnetic effects which are related to the frequency modulation, the other
gyromagnetic effects related to the angle modulation of the precessional
motion. The effects examined on yttrium garnet single crystals belong to
the second group. The authors studied the interaction of two electromag-
tic signals in the specimen: a h-f signal (10,000 Mc) polarized at right
angles to the direction of magnetization and a l-f signal (0.5 - 8 Mc)
polarized in the direction of magnetization. The magnetic field

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Experimental study of effects....

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B104/B102

directions in the experiments are shown in Fig 1   The theoretical aspect
of the problem under consideration had been previously studied by V. A.
Fabrikov (Radiotekhnika i elektronika. 2 no 2 190 (1958); 4 no. 7.
1203 (1959); 6 no 10, 1707 (1961)). Fig 3 bases on these papers to
show the complex susceptibility χ of a magnetized ferrite as a function
of the constant magnetizing field. This function was calculated with the
following formula derived in the previous papers:

$$\chi\Omega = -\frac{Mh_1^2}{(\Delta H)^3}\frac{x}{1+x^2}\frac{1+x^2-y^2\cdot 2iy}{(1+x^2-y^2)^2+4y^2} \qquad (2)$$

Here, the magnetic moment M = const; h_1 is the amplitude of the circularly
polarized h-f field; $\Delta H = 1/\gamma T_2$ is the half-width of the ferromagnetic
resonance line; $\gamma = 2.8$ Mc/oe is the gyromagnetic ratio of the electron
spin; $x = (H_{res} - H_c)/\Delta H$ and $y = \Omega T_2$; and $\chi = \chi' + \chi''$ The investigation
was conducted with an yttrium ferrite single crystal where the width of
the ferromagnetic resonance line was 1 - 2 oersteds. The spherical specimens
(0.5 - 1mm in diameter) were placed in the center of a coil with several
turns. The coil was connected to a resonant circuit (0.5 10 Mc). To
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